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(71) Applicant (for all designated States except US): **CJ CORP.** [KR/KR]; 500, Namdaemunno 5 ga, Jung-gu, Seoul 100-095 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PARK, Young-Hoon** [KR/KR]; 111-102, Mujigaedaerim Apt., Gumi-dong, Bundang-gu, Seongnam-si, Gyeonggi-do 463-703 (KR). **CHANG, Jea-Young** [KR/KR]; 101-1701, Samick Apt., 766-4, Hogye-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080 (KR). **LEE, Jin-Nam** [KR/KR]; 106-101, Hyundai Apt., Gimnangjang-dong, Yongin-si, Gyeonggi-do 449-709 (KR). **OH, Ki-Hoon** [KR/KR]; Deokpyeong 1-2-ri, Majang-myeon, Icheon-si, Gyeonggi-do 467-812 (KR). **KIM, Jeong-Hwan** [KR/KR]; 1-1401, Geukdong Apt., Garak 2-dong, Songpa-gu, Seoul 138-743 (KR). **OH, Yoon-Suk** [KR/KR]; 101-1501, Dongbo Apt., 703, Pungdeokcheon-ri, Suji-eup, Yongin-si, Gyeonggi-do

(74) Agent: **LEE, Duck-Rog**; YEIL Patent & Trademark International, YEILPAT Bldg., 669-17, Yorksam-dong, Kangnam-ku, 669-17, Yorksam-dong, Kangnam-ku, Seoul 135-915 (KR).

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(54) Title: A MICROORGANISM PRODUCING 5'-XANTHYLIC ACID

(57) Abstract: The invention relates to a microorganism, obtained by treating Corynebacterium ammoniagenes KCCM 10488 producing 5'- Xanthyllic acid as parent strain with UV radiation and mutation Derivatives such as N-methyl-N'nitro-N-nitrosoguanidine (NTG), Having a resistance to 5-fluorotryptophan which enhances Biosynthesis of N5-N10- tetrahydrofolate used for transferring Two formyl group during the process of purine biosynthesis, making It possible to accumulate 5'xanthyllic acid in culture medium at a high Yield and high concentration rate same period of fermentation.